



New York State's Current Offshore Wind Projects in Development and Construction

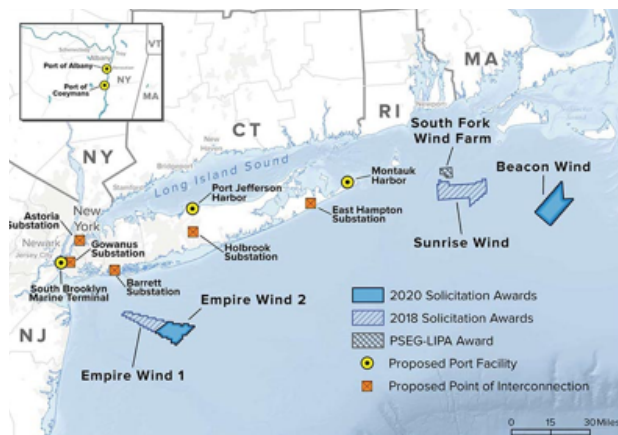


New York State, along with the Federal government, has made a momentous and unprecedented commitment to support the build out of this industry. Through forward-thinking planning, innovative policies, private and public financial commitments and development, New York is aspiring to be the nation's hub for the burgeoning offshore wind industry. Additionally, the Biden Administration announced an initiative with 11 East Coast States including New York to ease permitting process, grow supply chains and accelerate offshore wind farm construction under a new Federal-State offshore wind partnership.[i] Under these initiatives and strategy, the industry is already developing first-in-the nation projects in New York.

New York, with the largest offshore wind pipeline in the United States, intends to build 9 gigawatts of offshore wind capacity by 2035, or enough to meet about 30 percent of the state's total electricity needs of millions of households.[ii]

Specifically, from the five projects currently in development, planning and survey stages, New York will see:

- 6,800 direct jobs
- \$12.1 billion in economic activity generated
- Commitments for \$700 million in total new investment in New York State's ports and harbors[iii]



Location of Current New York Offshore Wind Projects [vi]

New York State's Current Offshore Wind Farms in Development

1. South Fork Wind Farm (132 MW), located 35 miles off the east coast of Long Island – Montauk Point – now in development and expected to be New York's first operational wind farm, second in the nation. The 12 turbines out of site from the beaches will be serving the South Fork's growing demand for electricity with a contract awarded by the Long Island Power Authority and operated and developed by **Ørsted and Eversource** in a 50/50 joint venture. Expected to be operational by end of 2023.

2. Beacon Wind (1,230 MW), located 60 miles east of Montauk Point, and planned for an area of 128,000 acres in offshore federal waters. It will use High Voltage Direct Current (HVDC) transmission technology, connecting to the grid through the Astoria Substation in Queens, with its operations and maintenance base at Sunset Park. Developed and operated by **Equinor Wind US LLC** with bp owning 50 percent of the assets. Equinor in 50/50 joint venture. Expected to power a million homes in the Northeast, including New York State. Expected to be operational by late 2020's.

3. Sunrise Wind (924MW), located approximately 30 miles off the east coast of Long Island – Montauk Point – and will connect to the grid at the Holbrook Substation in central Long Island with key components of the foundation to be fabricated in the Capital Region. The regional operations and maintenance hub will be in Port Jefferson on Long Island bringing 100 jobs. Developed by **Ørsted and Eversource** as a 50/50 joint venture with support from Con Ed and New York Power Authority on transmission. Expected to power 600,000 homes. Expected to be operational by 2025.

4. Empire Wind 1 (816 MW), located approximately 14 miles from Jones Beach State Park and will be connected to the electric grid at the Gowanus Substation in Brooklyn with established operations and maintenance at its base in Sunset Park, Brooklyn. To be developed and operated by **Equinor Wind US LLC**, with **bp** owning 50 percent of the assets with Equinor. Expected to be operational by 2026.

5. Empire Wind 2 (1,260 MW), also located approximately 14 miles from Jones Beach State Park and will connect to the electricity grid at the Barrett Substation in Oceanside, in Nassau County, with its operations and maintenance base at Sunset Park. To be developed and operated by **Equinor Wind US LLC**, with **bp** owning 50 percent of the assets with Equinor. Together, with Empire Wind 1, expected to power over 1 million homes. Expected to be operational by 2026.

On the back of this powerful momentum, recently, the Biden Administration auctioned off its first offshore wind leases with a record-shattering dollar amount, generating nearly \$4.4 billion to the U.S. Treasury for six new

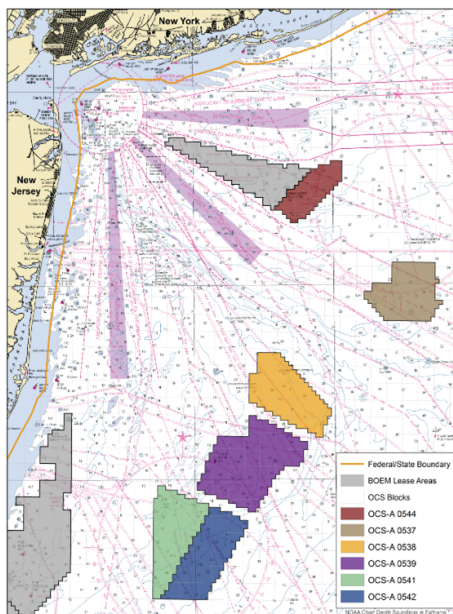
lease areas, totaling nearly 500,000 acres in the New York Bight off New York and New Jersey shores^[iv]. These new areas are estimated to accommodate over 11 gigawatts of new offshore wind development – enough capacity to meet New York’s 2035 goal, as well as satisfy New Jersey’s similarly aggressive target.

The winners of those leases announced in February 2022 include:

1. Mid-Atlantic Offshore Wind
2. OW Ocean Winds East
3. Attentive Energy
4. Bight Wind Holdings
5. Atlantic Shores Offshore Wind
6. Invenergy Wind Offshore

(See map below for lease areas)

The addition of several new and well-capitalized leaseholders, with global experience developing large-scale offshore energy and infrastructure projects, is sure to intensify competition, drive innovation and cost reduction, and accelerate the mainstreaming of this new U.S.-based clean energy resource.



Bureau of Ocean Management [v]

Provisional Winners of the New York Bight Lease Areas, \$4.37 Billion in High Bids

OCS-A 0544	Mid-Atlantic Offshore Wind LLC, \$285,000,000
OCS-A 0537	OW Ocean Winds East, LLC, \$765,000,000
OCS-A 0538	Attentive Energy LLC, \$795,000,000
OCS-A 0539	Bight Wind Holdings, LLC, \$1,100,000,000
OCS-A 0541	Atlantic Shores Offshore Wind Bight, LLC, \$780,000,000
OCS-A 0542	Invenergy Wind Offshore LLC, \$645,000,000



[i] White House, FACT SHEET: <https://www.whitehouse.gov/briefing-room/statements-releases/2022/06/23/fact-sheet-biden-administration-launches-new-federal-state-offshore-wind-partnership-to-grow-american-made-clean-energy/>

[ii] Maria Gallucci, "New York Take Early Lead as Large-Scale Offshore Wind Starts Rolling in the US" Canary Media, 2022

[iii] NYSERDA, Offshore Wind Projects, 2022

[iv] The White House, FACT SHEET: Biden Administration Jumpstarts Offshore Wind Energy Projects to Create Jobs, 2021

[v] Map obtained from Bureau of Ocean Energy Management, New York Bight, 2022

[vi] NYSERDA, Offshore Wind Projects, 2022